SUBJECT INDEX

Vol. 119C, Nos. 1–3

Abalone, 51
Accumulation, 131
Acephate, 107
Acetylcholine, 13
Acetylcholinesterase, 97, 107, 205
ACTH, 31
Active site, 97
Adenosine, 59
Adenylate energy charge, 51
ADP_{free}, 51
Affinity chromatography, 205
Algae, 67
Alloxan, 125
Amphibian, 219
Amygdala, 251
Angiotensin II, 7
Annual–diurnal variations, 37
Anterior pituitary, 317
Antiproliferative activity, 119
Antipyrine, 139
Appetite, 283
Arginine, 157
Atrial natriuretic peptide, 7

Bat, 365
Binding, 185
Biomarkers, 177
Bird, 59
Birds, 31
Bothrops, 21
Bovine endothelial cell line, 119
Brain, 219, 389
Branchial heart, 13
Broodiness, 275
Bungarotoxin, 13
Butyrate, 157

Calcitonin, 389
Calcitonin gene-related peptide, 389
Calcium, 389
Callithrix jacchus, 261
Camels, 139
CAMP, 89
Carbamates, 97
Carbamylation, 97
Carbohydrate-binding protein, 45
Carcinogen, 81
Casopongia cf. linteformis, 119
Catechol-O-methyltransferase, 37
Catfish hypothalmus, 37
Cephalopod, 13
Chicken, 75
Chronic, 131
Clearance, 139
Coagulation, 21
Cobalt, 185
Copper-toxicity, 177
Corticosterone, 31
Corticotrophin-releasing factor, 31
Cortisol, 243
Cotton rat, 149
Crenomytilus grayanus, 45
Crotalinae, 21
Cynops pyrrhogaster, 81
Cytochrome P450, 143

Development, 219
Diabetes mellitus, 125
Dictioceratida, 119
Dinoflagellate, 67
DNA synthesis, 165
Dominance, 261
Dopamine, 325

E and S-rosettes, 177
E_2-feedback, 37
Elaphe guttata emoryi, 143
Electronic properties, 107
Electron microscope, 81
Electron spin resonance, 211
Embryonic development, 305
Environmental influences, 229
Enzyme kinetics, 205
Enzyme purification, 205
Equilibrium, 185
Estradiol, 325
Eublepharis macularius, 229
Eurythoe complanata, 177
Evolution, 375

Feeding, 131
Ferret, 365
Fish, 185
Flourescence, 97
Forskolin, 89
Free radicals, 125

GalNAc/Gal-specific lectin, 45
Gene duplication, 375
Gene expression, 219, 339
GH, 89
Gill, 211
Gills, 185
Glucagon, 157
Glucose, 125, 157
Glutathione, 125
Goldfish pituitary, 339
Gonadotrophin releasing hormone, 275
Gonadotropin, 37
Gonadotropin-II, 339, 345
Gonadotropin-releasing hormone, 261, 325, 365, 375
Gonadotropins, 325
Gonyaulax polyedra, 67
GRF, 89
Growth, 131, 283
Growth factors, 317
Growth hormone, 305, 325, 345
Growth hormone-releasing hormone, 365

H-89, 89
Heart, 59
Heifer, 157
Hemostase, 21
Heteropneustes fossilis, 211
Horses, 139
Hot environment, 157
Human, 365
Hydra, 165
Hydroperoxides regeneration, 165
Hypophysiotropic hormones, 365
Hypothalamus, 283
Hypothalmic-pituitary-adrenal axis, 31
Hypoxia, 51

II Ketotestosterone, 325
Immunity, 149
Immunoassays, 177
Immunohistochemistry, 251
Incubation temperature, 229
Induction, 143
Infertility, 261
Insulin, 75, 157
Insulin-like growth factor I, 325
Insulin-like growth factor-I, 75
Invertebrate, 13, 45
Ion regulation, 131
Ischemia, 59
Ischemic preconditioning, 59

LAK cells, 149
Lens, 81
Leptin, 295
Lesser grain borer, 205
Lintenolides, 119
Lipoperoxidation, 125
Lithium, 165
Liver, 139
Luteinizing hormone, 275

Macrophage, 81
Macrophages, 199
Malnutrition, 149
Marine mammals, 1
Mesotocin, 31
Metallothionein, 131
Metals, 67
Metamorphosis, 219
Methamidophos, 107
3-Methylcholanthrene, 143
Migration, 31
Mixed functions oxidase, 139
Modelling, 185
Molecular cloning, 219
Molecular weight, 205
Mollusc, 13
Monkey, 365
MRNA, 339
MRNA expression, 89
γ-MSH, 317
Mucus secretion, 211
Murine firosarcoma cell line, 119
Murine monocyte/macrophage cell line, 119

Natural killer cells, 149
NEFA, 157
Neuroanatomy, 251
Neuroendocrine control mechanisms, 229
Neuropeptide Y, 295
Newt, 81
Nickel subsulfide, 81
Nicotinic receptor, 13
Nitrite, 199
NMR, 119
Northern blot analysis, 243
N-terminal proopiomelanocortin, 317
Nutritional ecology, 149

PII S0742-8413(98)10089-0

Obesity, 283
Oxidative stress, 67

Pancreas, 125
Paracrine growth, 305
Parathyroid hormone, 389
Parathyroid hormone related peptide, 389
Pattern formation, 165
Pentachlorophenol, 51
Peripheral site, 97
Peroxidase activity, 165
Phagocytes, 177
Phagocytosis, 81
Pharmacokinetics, 139
Pharmacology, 13
Phase I and II enzymes, 143
Phenobarbital, 143
Phodopus, 295
Phospholopase A_2, 21
Photoperiod, 283, 295, 345
Photoperiod-temperature, 37
Photorefractoriness, 275
Pigeon, 59
Pituitary gland, 283
Pituitary portal system, 365
PKA, 89
Platelet aggregation, 21
Platelet inhibition, 21
Polychaete, 177
Polyethism, 261
Preoptic area, 251
PRL, 89
Prolactin, 275
Proteases, 21
Protein, 107
Protein kinase A, 325
Protein kinase C, 325
Protein nutrition, 149
Protein synthesis, 75
Puberty, 345

Rainbow trout, 131, 243
RBC-uptake, 107
Regeneration, 81
Reproduction, 339
Reproduction, hypothalamic control of, 275
Reptiles, 143
Rhyzopertha dominica, 205
RNA/DNA ratio, 177

Sea lions, 1
Seals, 1, 7
Seasonal breeding, 275
Seasonal changes, 31
Seasonality, 345
Sepia, 13
Sesterterpenes, 119
Sex differentiation, 345
Sex steroid hormones, 199
Sex steroid receptor antagonists, 199
Sexual dimorphism, 251
Sheep, 283
Sigmodon hispidus, 149
Silver nitrate, 131
Silymarin, 125
Snake, 143
Snake venom, 21
Sodium azide, 51
Somatostatin, 325, 375
Spin-trapping, 211
Stanniocalcin, 389
Steroids, 345
Stress, 31
Stress tolerance, 67
Stria terminalis, 251
Sublethal toxicity, 51
Substrate specificity, 205
Superoxide anion radical, 211
Superoxide dismutase, 67

Temperature, 211, 345
Testosterone, 325, 339
Thyroid, 219
Transaminases, 177
Transcription, 325

Vasoactive hormones, 1
Vasoactive intestinal polypeptide, 275
Vasopressin, 7, 251
Vasotocin, 31, 251
VIP, 89

Water pollutants, 67

Xenoestrogen, 345

AUTHOR INDEX

Vol. 119C, Nos. 1–3

Abbott, D. H., 261
Agha, B. A. O., 139
Anglade, I., 243
Anthony, E. L. P., 365

Bailhache, T., 243
Bani, M.-H., 143
Belogortseva, N. I., 45
Blázquez, M., 345
Boni, N. S., 139
Bosma, P. T., 345
Brocht, D. M., 75
Bruhn, T. O., 365

Carlini, C. R., 21
Carnuccio, R., 119
Carotenuto, A., 119
Castellini, M. A., 1, 7
Castro, H. C., 21
Cate, J. M., 75
Colepicolo, P., 67
Crews, D., 229
Czerwinski, S. M., 75

Dawson, A., 275
Denef, C., 317
Denver, R. J., 219
Dover, B. A., 205
Ducouret, B., 243

Elghazali, M., 139
Elizur, A., 325

Fathimani, K., 389
Fattorusso, E., 119
Favari, L. P., 125
Francischetti, I. M. B., 21
Francis, G., 75
Fraser, E. J., 345
Fukuhara, M., 143
Fuse, H., 157

Galvez, F., 131
Gebauer, M., 13
Glazkova, V. E., 45
Guedes, R. N. C., 205
Guimarães, J. A., 21
Gustafson, A. W., 365

Habibi, H. R., 339
Hadi, A. A. A., 139
Harvey, S., 305, 389
Hassel, M., 165
Hemnani, T., 211
Hidaka, H., 89
Hogstrand, C., 131

Huggard, D. L., 339
Hull, K. L., 305, 389

Ikai, C., 81
Itoh, F., 157
Iuvone, T., 119

Jantzen, H., 165
Jiang, Y., 107
Johnson, C. D. M., 305
Joy, K. P., 37

Kah, O., 243
Kambhampati, S., 205
Kansaku, N., 89
Kimura, M., 143
Kumar, G. P., 211
Kurika, A. V., 45

Laloraya, M., 211
Lanzotti, V., 119
Lea, R. W., 275
Lethimonier, C., 243
Lincoln, G. A., 283
Lin, X.-W., 375
Lochmiller, R. L., 149
Lowry, C. A., 251

Magno, S., 119
McKean, T., 59
McMurtry, J. P., 75
Melamed, P., 325
Mercer, J. G., 295
Molchanova, V. I., 45
Moore, F. L., 251

Nusetti, O., 177

Obara, Y., 157
Okamoto, M., 81
Okamoto, O. K., 67
Osaka, I., 157
Otto, C. J., 375
Overdeep, P. A., 365

Pakdel, F., 243
Parihar, M. S., 211
Perez, B. L., 125
Peter, R. E., 375
Playle, R. C., 185
Prakash, P., 211

Rafferty, D. P., 149
Rai, U., 199
Reyes, J. L., 125
Rhen, T., 229

Richards, J. G., 185
Richardson, M., 283
Rischard, F., 59
Rodríguez-Grau, J., 177
Romero, L. M., 31
Rose, M. T., 157
Rosenfeld, H., 325

Saito, N., 89
Sakata, J., 229
Salazar-Lugo, R., 177
Saligaut, D., 243
Saltzman, W., 261
Sanders, E. J., 305
Savita, A., 199
Schultz-Darken, N. J., 261
Schulze, I., 165
Senthilkumaran, B., 37
Sharma, P., 305, 389
Sharp, P. J., 275
Shimada, K., 89
Shofer, S. L., 51
Sinclair, J. A., 149
Singh, A. K., 97, 107
Skobun, A. S., 45
Soto, C. P., 125
Spassova, D., 97, 107

Takahashi, H., 157
Tannenbaum, P. L., 261
Teitsma, C., 243
THIS, D., 217
Tjeerdema, R. S., 51
Tomas, F., 75
Trudeau, V. L., 345, 411
Tujague, M., 243

Ushio, F., 143

Van Bael, A., 317
Van Look, K. J. W., 345
Versen, B., 13
Vilas, J., 177

Wasfi, I. A., 139
White, T., 107
Wingfield, J. C., 31
Wood, C. M., 131

Yaron, Z., 325

Zenteno-Savin, T., 1, 7
Zhu, K. Y., 205
Zingali, R. B., 21
Zorob, O. M., 139

PII S0742-8413(98)10090-7